

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WL2XGR

(Call Sign)

0726-EX-CN-2020

(File Number)

NAME L3Harris Technologies, Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(c) of the Commission's Rules

Station Locations

(1) Palm Bay (BREVARD), FL - NL 28-01-35; WL 80-36-18

Frequency Information

Palm Bay (BREVARD), FL - NL 28-01-35; WL 80-36-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2096.5 MHz	FX	1M25G1D	6000 W (ERP)	0.002 %
2098.5 MHz	FX	1M25G1D	6000 W (ERP)	0.002 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.

This authorization effective February 16, 2021 and
will expire 3:00 A.M. EST March 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number FA8620-17-C-3193. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (5) The stop buzzer POC is Rod Nelson at (321) 729-2030.
- (6) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating stations. L3Harris Technologies should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee will be subject to immediate shut down.
- (7) Operations will only support US government programs for transmit testing to satellites in low earth orbit (~580 km) above 40 degree inclination (40, 54, 70 degrees). Operations are limited to initialization testing lasting approximately two months after respective satellite launch, and contingency operations/testing occurring no more than about one day every two weeks.
- (8) Prior to transmissions from the L3Harris Technologies earth station, detailed orbital characteristics of each supported satellite shall be provided to the NASA GSFC Spectrum Management Office (NASA-DL-GSFC-Spectrum-Management@mail.nasa.gov) for coordination.
- (9) The L3Harris Technologies earth station shall not transmit using 2096.5 MHz or 2098.5 MHz uplink frequencies when the NASA International Space Station (NORAD ID 25544 or International Spacecraft ID 1998-067A) is within horizon to horizon view of the of the Palm Bay, FL facility.